



# Nirmala College Of Pharmacy , Muvattupuzha

## DEPARTMENT OF PHARMACOLOGY

offering an ADD-ON COURSE ON

### Drug Development Process



- Aim**  
The purpose of this course is to convey fundamental understanding of identifying a compound therapeutically useful in curing and treating disease and screening it for therapeutic efficacy with a knowledge on ethical considerations and outcome interpretations.
- Objective**  
Upon completion of the course the student shall be able to:
  - Identify the candidate drug, assess its safety, and build solid scientific foundations before transition to the clinical trial, by preclinical screening.
  - Understand a drug's absorption, distribution, metabolism, and excretion (ADME) properties, its pharmacodynamics including both desired effects and adverse effects by clinical trials.
  - Recognize how various guidelines in preclinical and clinical screening approaches are applied.
  - Learn about the research process necessary to enable a scientific discovery to lead to an effective compound that can be used in humans.
- Course outcome**
  - The students would have attained knowledge in identifying the candidate drug, performing preclinical and clinical evaluation of drugs and applying recent techniques in ADR monitoring and reporting
  - They would have understood the guidelines, and able to explain the regulatory requirements for conducting preclinical studies and clinical trial.



**Admission eligibility:**

Candidates studying in B Pharm / Pharm D / M Pharm course at Nirmala College of Pharmacy, Muvattupuzha, Ernakulam are eligible to apply.

**Assessment mode:**

Theory Exam (Multiple choice questions)

**Passing criteria:**

Candidates must have 80% attendance for both theory and practical training and must score at least 50% marks in the examination to pass the course.

**Course Co-ordinator:**

Ms. Preethimol Francis  
Department Of Pharmacology,  
Nirmala college Of Pharmacy,  
Muvattupuzha

**AWARD OF CERTIFICATE**

Course completion certificate will be issued those who pass the course successfully.



A handwritten signature in blue ink that reads "G. Basimaran".

PRINCIPAL  
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